

Sub B37
the first radius TR_1 of the area encompassing the zenith of the tire, wherein each edge of the tread strip defined by the tread width TW is located in an area with a fourth radius, a shoulder radius provided in a transition area to said sidewalls of the tire, in that the size of the radius TRA is determined according to the equation $0.05 TR_1 \leq TRA \leq 0.65 TR_1$, in that the radius TR_2 is either smaller or greater than the radius TRA , where, for the case $TR_2 \leq TRA$, the size of the radius TR_2 is determined according to the equation $0.6 TR_1 \leq TR_2 \leq 0.95 TR_1$ and for the case $TR_2 > TRA$, the size of the radius TR_2 is determined according to the equation $0.1 TR_1 \leq TR_2 \leq 0.95 TR_1$.

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9. (New) The pneumatic vehicle tire according to Claim 8, wherein the radius TR_1 is determined according to the equation $3 TW \leq TR_1 \leq 25 TW$.

10. (New) The pneumatic vehicle tire according to Claim 9 wherein the radius TR is determined according to the equation $3 TW \leq TR_1 \leq 6 TW$.

11. (new) The pneumatic vehicle tire according to Claim 8, wherein the area with the radius TR_1 and encompassing the zenith of the tire is determined by a separation TW_1 between two points that are symmetrical about the zenith of the tire, where the separation TW_1 is determined according to the equation $0.1 TW \leq TW_1 \leq 0.7 TW$.